

KUZNETSOVA, F.V.

Stratigraphy and tectonics of the Lower Proterozoic in the Nechera-Zhuya region (Patom Plateau). Trudy VSGI Ser.geol. no.5:221-230 '62.  
(MIRA 15:9)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo otdeleniya AN SSSR.  
(Zhuya Valley—Geology) (Nechera Valley—Geology)

TOLKUNOV, B.; BURESOVA, O.; BURES, J.; KUZNETSOVA, G.; FIFKOVA, E.

Use of spreading depression in study of relationships between the cerebral cortex and the striatum in rats. *Physiol. Bohemoslov.* 14 no.3:253-260 '65

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague; Institute of Evolutionary Physiology, Academy of Sciences of the U. S.S.R., Leningrad; Institute of Higher Nervous Activity and Neurophysiology, Academy of Sciences of the U.S.S.R., Moscow.

KUZNETSOVA, G., inzh.; ALFER'YANVA, M., inzh.

Medical preparation lydase. Mias. ind. SSSR 29 no.3:55 '58.

(MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.

(Hyaluronidase)

SOLOV'YEV, V., kand.khimich.nauk; KUZNETSOVA, G.

Changes occurring in the connective tissue during meat aging. Mias.ind.  
SSSR 34 no.1:56-57 '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.  
(Meat--Testing)

PROCESS AND PREPARATION	
CA	<p>The secretion of the resinous runner roots of <i>Prangos pabularia</i> L. G. V. Pigulevskii and G. A. Kuznetsova. <i>Doklady Akad. Nauk S.S.S.R.</i> 61, 309-11(1948).—The roots were extd. with EtOH and the residue from the evapd. ext. was treated with Et<sub>2</sub>O. The ext. on standing deposited a substance (I), m. 112-12.5°, which corresponds to <i>arypeucedanin</i> (found in <i>Peucedanum officinale</i> roots); its compn. is C<sub>11</sub>H<sub>14</sub>O<sub>2</sub>; boiling with 1.5% (CO<sub>2</sub>H); 45 min. gave the hydrate, C<sub>11</sub>H<sub>16</sub>O<sub>3</sub>, m. 132° (from dil. MeOH). After removal of I, the residue was evapd. and extd. with petr. ether, which on concn. gave a product tentatively identified as <i>peucedanin</i>, m. 90.5°, after which a slow evapn. gave a 3rd substance, C<sub>11</sub>H<sub>14</sub>O<sub>2</sub>, m. 83.5° (from 60% EtOH), which appears to be 7-methoxy-4-(3-methyl-2-butenyl)benzopyrone. G. M. K.</p>
<p>ASB-36 METALLURGICAL LITERATURE CLASSIFICATION</p>	

FIGULEVSKIY, G.V.; KUZNETSOVA, G.A.

Structure of a new furocoumarin of prangenin. *Zhur.ob.khim.* 23 no.7:1237-  
1239 JI '53. (MLRA 6:7)

1. Botanicheskiy institut imeni V.I. Komarova Akademii nauk SSSR.  
(Coumarin) (Prangenin) (Prangos pabularia)

KUZNETSOVA, G. A. G.O. 7

"The Flora and Vegetation of the Middle Dnestr Region and the Possibility of Utilizing Them in the National Economy." Cand Biol Sci. Inst of Botany, Acad Sci Ukrainian SSR, Kiev, 1954 (RZhBiol No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

GRIN', P.O.; KUZNETSOVA, G.O.

Growth of *Asplenium Heufleuri* Reich. at Kamennyye Mogily in Stalino Province. Bot.shur. [Ukr.] 11 no.3:109-112 '54. (MIRA 8:7)

1. Institut botaniki AN URSR (Stalino Province--Ferns)







KUZNETSOVA, G.O.

Conference on the coordination of botany topic plants in scientific research institutions and schools of higher learning of the Ukrainian S.S.R. Bot.zhur.[Ukr.] 12 no.2:109-110 '55.  
(Ukraine--Botany) (MLRA 8:10)

KUZNETSOVA, G.O.

Kamennaya Mogila Preserve. Ukr.bot.zhur.13 no.2:31-43 '56.

(MLRA 9:9)

1.Institut botaniki AN URSR, Viddil vishchikh roslin.

(Kamennaya Mogila Preserve--Botany)

**"APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4**

**APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4"**

**"APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4**

**APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4"**

**"APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4**

**APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4"**

KUZNETSOVA, G.A. [Kuznetsova, H.O.]

Flora and vegetation of Podolia as a natural monument. Mat.  
pro okhor.pryr.na Ukr. no.1:55-62 '58. (MIRA 13:3)  
(Podolia--Botany)



KUZNETSOVA, G.A. [Kusnetsova, H.O.]

Jubilee session of the Institute of Botany of the Academy of  
Sciences of the Ukrainian S.S.R. and the Ukrainian Botanical Society  
dedicated to the 40th anniversary of the Great October Socialist  
Revolution. Ukr. bot. zhur. 15 no.1:116 '58. (MIRA 11:5)  
(Ukraine--Botanical research)

KUZNETSOVA, G.A. [Kuznetsova, H.O.]

Seed productivity of some plants in the Khomutovskaya Virgin  
Steppe Preserve. Ukr.bot.zhur. 16 no.1:62-70 '59.  
(MIRA 12:5)

1. Institut botaniki AN USSR, otdel vyeshikh rasteniy.  
(Khomutovskaya Virgin Steppe Preserve--Grasses)  
(Seed production)

KUZNETSOVA, G.A.; SELIVANOVA-GORODKOVA, Ye.A.; SAMOKHYALOVA, A.S.;  
YAKINOV, P.A.

Study of Podophyllum peltatum L. cultivated in Leningrad  
Province. Bot.sbur. 44 no.9:1337-1340 8 '59.

(MIRA 13:2)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR i Leningrad-  
skiy pediatricheskiy institut.  
(Leningrad Province--Mandrake)

GRODZINSKIY, A.M. [Hrodzins'kyi, A.M.]; KUZNETSOVA, G.A. [Kuznetsova, H.O.];  
MUSATENKO, L.I.

Germination inhibitor from fruit of *Crambe tataria* Sevsok. Ukr.  
bot.zhur. 17 no.1:29-39 '60. (MIRA 13:6)

1. Institut botaniki AN USSR.  
(Growth inhibiting substances)  
(Crambe)

KUZNETSOVA, G.A.[Kuznetsova, H.O.]

Some rare and interesting plants in the Khomutovskaya Steppe.  
Ukr. bot. zhur. 18 no.1:92-95 '61. (MIRA 14:3)

1. Institut botaniki AN USSR, otdel vysshiy rasteniy.  
(Khomutovskaya Virgin Steppe Preserve--Botany)

KUZNETSOVA, G.A.; PIGULEVSKIY, G.V.

Structure of prangenin. Zhur. ob. khim. 31 no.1:323-326 Ja '61.  
(MIRA 14:1)

1. Botanicheskiy institut Akademii nauk SSSR.  
(Prangenin)

KUZNETSOVA, G.A.

Alloimperatorin (prangenine), a component of the resin from the roots of *Frangos pabularia*. Zhur. ob. khim. 31 no. 11:3818-3820 N '61. (MIRA 14:11)

1. Botanicheskiy institut Akademii nauk SSSR.  
(Gums and resins)

ZOZULYA, R.N.; KUZNETSOVA, G.A.; MEL'NIKOVA, T.A.; YAKIMOV, P.A.

Chemical and pahrmacological study of preparations extracted  
from Podophyllum Peltatum L. growing in Leningrad Province.  
Trudy Len.khim.-farm.inst. no.13:245-252 '62. (MIRA 15:10)

1. Kafedra farmakologii (zav. prof. T.A.Mel'nikova) Leningradskogo  
khimiko-farmatsevticheskogo instituta.  
(LENINGRAD PROVINCE---PODOPHYLLUM)



KUZNETSOVA, G.A. [~~Kuznetsova, H.S.~~]

Conference on the Coordination of Research on the Flora and Vegetation  
of the Ukrainian S. S. R. Ukr. bot. zhur. 19 no.3:117-119 '62.

(MIRA 15:7)

(Ukraine—Botanical research—Congresses)

KUZNETSOVA, G.A.; KUZ'MINA, L.V.

Content of coumarin compounds in the different parts and organs of  
Prangos pabularia Lindl. Bot.zhur. 47 no.3:409-412 Mr '62.  
(MIRA 15:3)

1. Botanicheskiy institut imeni V.I.Komarova AN SSSR, Leningrad.  
(Coumarin) (Prangos pabularia)

KUZNETSOVA, G. A.

Some data on the chemical composition of *Inonotus obliquus*.  
Zhur. ob. khim. 32 no.12:4090-4091 D '62.

(MIRA 16:1)

1. Botanicheskiy institut AN SSSR.

(Agaricales—Spectra)

KUZNETSOVA, G.A. [Kuznetsova, H.O.]; PROTOPOPOVA, V.V.

Flora and vegetation of Orlov Island in the Black Sea. Ukr. bot.  
zhur, 20 no.4:80-85 '63. (MIRA 17:4)

1. Institut botaniki AN UkrSSR, otdel vysshikh rasteniy.

KUZNETSOVA, G.A. [Kuznetsova, H.O.]

Seasonal and annual changes in the plant cover of the  
Khomutovskaya Steppe, Donetsk Province. Ukr. bot. zhur. 21  
no.3:75-83 '64 (MIRA 17:7)

1. Institut botaniki AN UkrSSR, otdel vysshikh rasteniy.

BARBARICH, A.I. [Barbaryoh, A.I.]; KUZNETSOVA, G.A. [Kuznetsova, H.O.]

Literature on the flora and vegetation of the Ukrainian S.S.R.  
published in 1960. Ukr. bot. zhur. 21 no.3:93-108 \*64  
(MIRA 17:7)

KUZNETSOVA, G.A.; KUZ'MINA, L.V.

Use of thin layer chromatography for indentifying natural  
coumarins and furocoumarins. Rast. res. 1 no.1:149-151 '65.  
(MIRA 18:6)  
1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad.

KUZNETSOVA, G.A.; BELENOVSKAYA, L.M.

Separation of oxypseudanin (prangol) hydrate from roots  
of Prangos fedtschenkoii (Rgl et Schmal) Eug. Kor. Zhur.  
prikl. khim. 38 no.5:1146-1148 My '65. (MIRA 18:11)



KUZNETSOVA, G.A.; ABYSHEV, A.Z.

Coumarins and furocoumarins from the roots of *Fraxo*  
*ferulacea* (L.) Lindl. Rast. res. 1 no.2:221-224 '65.

(MIRA 18:11)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

KUZNETSOVA, G.A.; BELENOVSKAYA, L.M.

Furocoumarins obtained from the above the ground part of the  
Prangos fedtschenkoi (Rgl. et Schmal.) Eng. Kor. Zhur. prikl.  
khim. 38 no. 10:2368-2369 0 '65. (MIRA 18:12)

1. Botanicheskiy institut imeni V.A.Komarova AN SSSR. Submitted  
July 25, 1964.

KUZNETSOVA, G.A.; ABYSHEV, A.Z.

Merancin hydrate, a new component of the *Prangos ferulacea* (L.)  
Lindl root. Zhur. prikl. khim. 38 no.10:2370-2372 0 '65.  
(MIRA 18:12)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR.  
Submitted July 22, 1964.

KUZNETSOVA, G.A.; BELENOVSKAYA, L.M.

Chemical study of *Prangos ornata* Kuzm. roots. *Khim. prirod. soed.*  
no.6:430 '65. (MIRA 19:1)

1. Botanicheskiy institut imeni Komarova AN SSSR. Submitted July 5,  
1965.

KUZNETSOVA, G.A.; ABYSHEV, A.Z.

Natural (-)-7-methoxy-8-( $\beta$ , $\gamma$ -dihydroxyisopentyl)-coumarin.  
Khim.prirod.soed. no.4:283-288 '65.

(MIRA 1961)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR. Submitted  
March 17, 1965.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220004-4

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220004-4"

**"APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4**

**APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4"**

KUZNETSOVA, G. A.

55230

31967  
S/061/61/000/023/034/061  
B136/B101

AUTHORS: Rychkov, R. S., Berkutova, I. D., Glukhareva, N. A.,  
Gofman, A. K., Kuznetsova, G. A., Smirnova, E. B.

TITLE: Use of the radioactivation method in analyzing  
microimpurities in semiconductor materials

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 23, 1961, 317, abstract  
23K66 (Sb. "Radioakt. izotopy i yadern. izlucheniya v nar.  
kh-ve. SSSR. v. I", M., Gostoptekhizdat, 1961, 267-273)

TEXT: Standard procedures have been developed and tested in practice for  
the activation analysis of Cu, Sb, Zn, In, Ga, Ta, As, Na, Mn, Cr, Au, W,  
Fe, La, Br, Co, Se, and other microimpurities in silicon, germanium,  
graphite, silicon-carbide, quartz, aluminum, aluminum oxide, deionized and  
distilled water, repeatedly distilled acids, and other substances. The  
basis of the method is the preliminary gamma spectrometric study of the  
impurity composition of materials of a given purity. The technology  
includes a method for decomposing the specimen; evaporating the isotopes  
of the basic material from total impurities; eliminating microimpurities

Card 1/2



Use of the radioactivation method...

31967  
3/081/61/000/023/034/061  
B13E/B101

which might interfere with the gamma spectrometric measurements;  
radiochemical separation of individual impurities into separate  
measurable samples. [Abstractor's note: Complete translation.]

X

Card 2/2

**"APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4**

**APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4"**

**"APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4**

**APPROVED FOR RELEASE: 06/19/2000**

**CIA-RDP86-00513R000928220004-4"**

L 3198-66

ACCESSION NR: AP5009204

S/0241/65/010/003/0078/0080

AUTHOR: Golutvina, M. M.; Nikolayev, Yu. M.; Kuznetsova, G. A.;  
Kazakova, T. A. 12  
03

TITLE: Method of determining cesium 137 in bone tissue

SOURCE: Meditsinskaya radiologiya, v. 10, no. 3, 1965, 78-80

TOPIC TAGS: man, bone, cesium 137, radioactive isotope, chemical method

ABSTRACT: An improved, less time consuming, and simpler method of determining cesium 137 in bone tissues in the form of a hexachlortellurite precipitate is described. After removal of marrow and muscles, the bone (300-500 g) is placed into a quartz cup and heated in a dryer until all the fat has melted. The fat is poured off and the bone is placed into an oven and calcinated at 400-450°. To speed up the process during calcination the bone is treated several times with concentrated HNO<sub>3</sub>. Then the bone ash (60-80 g) is ground, placed in a heat resistant tumbler, and a cesium carrier is added (100-150 mg). After dilution with concentra-

Card 1/2

L 3198-66

ACCESSION NR: AP5009204

ted HCl, the bone ash solution is cooled and a 10% tellurium dioxide solution is added until complete precipitation of the hexachlortellurite ( $\text{Cs}_2\text{TeCl}_6$ ) takes place. The precipitate is allowed to stand overnight and then centrifuged. After HCl is removed from the precipitate it is covered, dried, and weighed. The cesium yield is determined chemically. Radioactivity of the cesium products is measured with a malophone and a halogen anticoincidence counter with  $\pm 40\%$  error in about 30 min. The cesium 137 preparations were checked with a gamma spectrometer which confirmed the radioactivity results and also indicated the absence of any other gamma active isotopes. A table is presented showing cesium 137 content in bone tissue ranging from 1.3 to  $4.5 \cdot 10^{-11}$  o/kg for 5 persons who died in 1963 and who during their lifetimes had no contact with fission products. Orig. art. has: 1 table.

ASSOCIATION: None.

SUBMITTED: 20Apr64

ENCL: 00

SUB CODE: LS

NR REF SOV: 006

OTHER: 008

SC  
Card 2/2

KUZNETSOVA, G.A. [Kuznetsova, H.O.]

Conference on the coordination of work on the problem "Biological foundations for efficient utilization, transformation and conservation of the plant world." Ukr. bot. zhur. 22 no.3:115-118 '65.  
(MIRA 18:7)

LIPOVA, I.M.; KUZNETSOVA, G.A.; MAKAROV, Ye.S.

Study of the metamict conditions of zircons and cyrtolites. *Geokhimiia*  
no.6:681-694 Je '65. (MIRA 18:7)

1. Vernadsky Institute of Geochemistry and Analytical Chemistry,  
Academy of Sciences, U.S.S.R., Moscow.

KUZNETSOVA, G.A.; SOKOLOVA, L.M.

Coumarins from roots of Frangos Fedshchenko (Rgl. et  
Schmalh.) Eug.Kor. Zhur.prikl. khim. 37 no. 5:1105-1110  
My '64. (MIRA 17:7)



KUZNETSOVA, G.D.

Effect of the deglutition dominant on the conditioned feeding reflex  
in the rabbit. Trudy Inst.vys.nerv.deiat. Ser,fiziol. 1:15-26 '55.  
(MLBA 9:8)

1. Iz laboratorii obshchey fiziologii nervnoy sistemy, zaveduyushchiy  
V.S.Rusinov.

(CONDITIONED RESPONSE) (DEGLUTITION)

KUZNETSOVA, G.D.

Effect of external inhibition on internal inhibition; effect of the  
deglutition dominant on differentiation. Trudy Inst.vys.nerv.deiat.  
Ser.fiziol. 2:115-123 '56.  
(MLRA 10:1)

1. Iz laboratorii obshchey fiziologii tsentral'noy nervnoy sistemy,  
zav. - V.S.Rusinov.  
(INHIBITION) (DEGLUTITION)

KUZNETSOVA, G. D. Cand Biol Sci -- (diss) "~~#~~ Study of the  
Properties of ~~the~~ Deglutitory Dominant and ~~of~~ Its <sup>Effect upon</sup> ~~Influence on~~  
Higher Nervous Activity." Mos, 1957. 16 pp 21 cm. (Inst of  
Higher Nervous Activity, Academy of Sciences USSR), 120 copies  
(KL, 17-57, 95)

- 20 -

KUZNETSOVA, G.D.

Deglutition dominant and the elaboration of a conditioned response  
on the basis of the deglutition reflex. Trudy Inst. vys. nerv. deiat.  
Ser. fiziol. 3:3-18 '59. (MIRA 12:3)

1. Iz laboratorii obshchey fiziologii nervnoy sistemy, zav. - V.S.  
Rusinov.  
(DEGLUTITION) (CONDITIONED RESPONSE)

GLIVENKO, Ye.V.; KOROL'KOVA, T.A.; KUZNETSOVA, G.D.

Integral picture of the correlative relationships between  
biopotentials of the rabbit cerebral cortex. Fiziol. zhur.  
48 no.4:384-388 Ap '62. (MIRA 15:6)

1. From the Institute of Higher Nervous Activity and  
Neurophysiology, U.S.S.R. Academy of Sciences, and the Institute  
of Controlling Electronic Machines, Moscow.  
(CEREBRAL CORTEX)  
(ELECTROENCEPHALOGRAPHY)

GLIVENKO, Ye.V.; KOROL'KOVA, T.A.; KUZNETSOVA, G.D.; LUCHKOVA, T.I.;  
TRUBNIKOVA, R.S.

Physiological evaluation of the averaging method for the derivation  
of biopotentials. Fiziol. zhur. 51 no.8:943-951 Ag '65. (MIRA 18:7)

1. Institut vyssheyey nauki i tekhnologii i neyrofiziologii AN SSSR i  
Institut elektronnykh upravlyayushchikh mashin, Moskva.

ACC NR: AF6014715

(A)

SOURCE CODE: UR/0323/65/000/006/0075/0082

AUTHOR: Kuznetsova, G. F. (Engineer); Zurabyan, K. M. (Candidate of Technical Sciences); Kuznetsov, A. R. (Candidate of Technical Sciences)

ORG: Central Scientific Research Institute of the Leather-Shoe Industry (Tsentral'nyy nauchno-issledovatel'skiy institut kozhevenno-obuvnoy promyshlennosti)

TITLE: Strengthening the cemented seam in making shoes without roughing the covered edge

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 6, 1965, 75-82

TOPIC TAGS: footgear, adhesive, adhesive bonding, chloroprene, leather

ABSTRACT: The formation of strong bonded seams in shoes without roughing the leather before adhesive application was investigated using chemically similar polymeric materials in finishing the leather and in compounding the new adhesive compositions. The strength of the bonded seam in unroughed and in surface-roughed leather depends primarily on the adhesion of the coating to the leather: if the coating has low adhesion, peeling occurs at the coating-leather boundary. Incorporation of latex LTN-1 in the coating composition to increase bond strength was found less expedient than incorporation of a polymeric film-forming material (chloroprene-containing MKh-30) in the adhesive composition. Adhesion of the coating to leather is increased by using

Card 1/2

ACC NR: AP6014715

essentially the same polymeric film-forming material in compounding the pigmented compositions and in leather finishing. Small amounts (10-20% on weight of the adhesive) of the polymeric film former increases the cemented seam strength. "The work was done in the Laboratory of Finishing and Polymeric Materials of the TsNIIKP and at the Department of Shoe Technology MTILP." Orig. art. has: 4 tables and 5 figures.

SUB CODE: 11, 15/ SUBM DATE: 20Apr65/ ORIG REF: 006

Card 2/2



KUZNETSOVA, G.G.; BENEVOLENSKAYA, L.I.

Prolonged action properties of the antibiotic bicillin-5.  
Trudy TSIU 80:87-89 '65.  
(MIRA 18:11)

SOLOPAYEV, B.P.; BUTNEV, Yu.P.; KUZNETSOVA, G.G.

Preparative regeneration of the liver in experimentally induced cirrhosis. Biul.eksp. biol. i med. 51 no.1174-80 Ja '61.

(MIRA 14:5)

1. Iz laboratorii biologii i biokhimii Instituta eksperimental'noy patologii i terapii (dir. - kandidat meditsinskikh nauk B.A.Lapin) AMN SSSR, Sukhumi. Predstavlena deystvitel'nyy chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.

(LIVER—CIRRHOSIS)

(REGENERATION (BIOLOGY))

CIA-RDP86-00513R000928220004-4"

detg. the degree of unsatn. showed that the ketone add. 2 mols. of Br (a 0.1530-g. sample added 0.4012 g. of Br). It gave a qual. reaction for the ketone group with  $\text{PhNH-NH}_2$  and  $\text{NH}_4\text{OH.HCl}$ , but no cryst. oxime or hydrazone could be obtained. Both ketones condensed with metallic Na, producing tarry oils which hardened gradually and formed good lacquer-like substances. No films were formed from spreading the ketones over glass. K. concludes that the condensation of crotonaldehyde with  $\text{Me}_2\text{CO}$  and  $\text{EtCOMe}$  in 0.5% NaOH soln. at  $0^\circ$  for 1.5-3 hrs. produces diene ketones (heptadienone and octadienone). Besides these ketones there were also obtained more complex high-mol. products [approx. 44% with  $\text{Me}_2\text{CO}$  and 30% with  $\text{EtCOMe}$ ] and unreacted substances (approx. 32% with  $\text{Me}_2\text{CO}$  and 46% with  $\text{EtCOMe}$ ). The diene product obtained with  $\text{EtCOMe}$  is a new product which has not been described in the chem. literature. Nineteen references.

W. R. Henn

KUZNETSOVA, G.I.

PROCESSES AND PROPERTIES INDEX

Condensation of furan compounds. XI Aliphatic and furan dione ketones. V. V. Chelintsev and G. I. Kuznetsova. *J. Gen. Chem.* (U. S. S. R.), 1958, 31 (1959); cf. C. A. 53, 4961<sup>1</sup>. The catalytic condensation at moderate temps. (5-40°) of unsatd. aliphatic and furan aldehydes with a large excess of ketones in H<sub>2</sub>O in the presence of 10% aq. NaOH is studied. Under all conditions of condensation the reaction mixt. contained a max. of 24% of diene ketones (MeCH:CHCH:CHCO), 31% of tetraene ketones ((RCH:CHCH:CH)CO), 15% of a heavy resinous liquid, and unaltered reactants. The condensation of crotonaldehyde (I) with Me<sub>2</sub>CO gave *heptadienone*, MeCH:CHCH:CHCO, b<sub>p</sub> 78-80°, d<sub>4</sub><sup>20</sup> 0.807, n<sub>D</sub><sup>20</sup> 1.518, and *undecatenone*, (MeCH:CHCH:CH)CO, b<sub>p</sub> 178-82°, d<sub>4</sub><sup>20</sup> 1.00, n<sub>D</sub><sup>20</sup> 1.493, M. R. 50.8. I with MeCOEt gave *methylheptadienone*, MeCH:CHCH:CHCMeAc, b<sub>p</sub> 85-7°, d<sub>4</sub><sup>20</sup> 0.9655, n<sub>D</sub><sup>20</sup> 1.479, and *dodecatetraenone*, C<sub>12</sub>H<sub>14</sub>O, b<sub>p</sub> 155-9°, d<sub>4</sub><sup>20</sup> 0.998, n<sub>D</sub><sup>20</sup> 1.461, M. R. 82.2. XII. Aliphatic and furan tetraene ketones. V. V. Chelintsev and V. I. Kuznetsov. *Ibid.* 1961, 34. The condensation of furalacrolein with Me<sub>2</sub>CO and MeCOEt by the method described above gave, resp., *furylhexadienone*, RCH:CHCH:CHCO (R = furylradical), m. 91°, b<sub>p</sub> 172°, and *furylmethylhexadienone*, RCH:CHCH:CHCMeAc, and the corresponding tetraene ketones, C<sub>11</sub>H<sub>12</sub>O, and C<sub>12</sub>H<sub>14</sub>O. The latter could not be sep'd. from the polymerization products of furalacrolein. All these ketones are characterized by pleasant grass and fruit odors. They are easily polymerized by metallic Na and give hard films on metals. (has blank

ASH-51A METALLURGICAL LITERATURE CLASSIFICATION

100000 1000000

100000 1000000

1000000

10000 200000

100000 1000000

SHOSTAKOVSKIY, M.F.; KOTENLEV, V.N.; KOCHKIN, D.A.; KUZNETSOVA, G.I.;  
KALININA, S.P.; BORISENKO, V.V.

Synthesis and various conversions of tin and silicon organic compounds.  
Zhur. prikl. khim. 31 no.9:1434-1436 S '58. (MIRA 11:10)

1. Institut organicheskoy khimii AN SSSR i Gosudarstvennyy nauchno-  
issledovatel'skiy i proyektnyy institut promyshlennosti plasticheskikh  
mass.

(Tin organic compounds) (Silicon organic compounds)

KOCHKIN, D.A.; KOTRELEV, V.N.; SHOSTAKOVSKIY, M.F.; KALININA, S.P.;  
KUZNETSOVA, G.I.; BORISENKO, V.V.

~~XXXXXXXXXXXX~~  
Tin organic polymers. Vysokom. soed. 1 no.3:482-484 Mr '59.  
(MIRA 12:10)

1.Nauchno-issledovatel'skiy institut promyshlennosti plasticheskikh  
mass.

(Polymers) (Tin organic compounds)

KOCHKIN, D.A.; KOTHELEV, V.N.; KALININA, S.P.; KUZNETSOVA, G.I.; LAYNE,  
L.V.; CHERVOVA, L.V.; BORISOVA, A.I.; BORISENKO, V.V.

Organotin monomers and polymers. Vysokom.sped. 1 no.10:  
1507-1513 0 '59. (MIRA 13:3)

1. Nauchno-issledovatel'skiy institut plasticheskikh mass.  
(Tin organic compounds) (Polymers)



20487

S/191/61/000/003/005/015  
B124/B203

15-8114

AUTHORS: Kotrelev, V. N., Kalinina, S. P., Kuznetsova, G. I.

TITLE: Polymers on the basis of ferrocene and its derivatives

PERIODICAL: *Plasticheskiye massy*, no. 3, 1961, 24-26

TEXT: The authors obtained resins and the corresponding molding powders from some products containing a ferrocenyl residue. It was attempted to obtain polymers through interaction of ferrocene with diazotized benzidine and polymerization of unsaturated ferrocenyl ketones. The reaction of ferrocene with diazotized benzidine was conducted in the manner described in publications for the arylation of ferrocene with diazo compounds (Ref. 5: A. N. Nesmeyanov, E. G. Perevalova, R. V. Golovnya, O. A. Nesmeyanova, DAN SSSR, 97, 459 (1954); E.O.Fischer, D. Sens, Z.Naturforsch., 9a, 386 (1954); Ref. 6: G. D. Broadhead, P. L. Pauson, J.Chem.Soc., 1955, 367). In the reaction with diazotized benzidine, however, a mixture of products was formed which could not be separated. Ferrocene and benzidine were reacted in different molar ratios (1:3; 1:1, 2:1), and gave mixtures with different solubilities and

Card 1/02

20487

Polymers on the basis of...

S/191/61/000/003/005/015  
B124/B203

melting points; but it was not possible to isolate pure substances. An attempt has also been made to obtain high-molecular compounds on the basis of unsaturated ferrocenyl ketones. For this purpose, the reaction of 1,1-diacetyl ferrocene with furfural was performed. The mixture was heated in methylene chloride and alcohol in the presence of lye at molar ratios of 1:2 and 1:1 between 1,1-diacetyl ferrocene and furfural. With 1:1, it was possible to produce a polymer. The thermomechanical properties of the resulting polymers as determined with a consistometer are shown in the figure. There are 1 figure, 1 table, and 6 references: 3 Soviet-bloc and 3 non-Soviet-bloc. The reference to the English-language publication reads as follows: L. E. Coleman, M. D. Rausch, J. Polymer Sci., 28, no. 116 (1958).

Card 2/2

26290  
S/190/61/003/008/003/019  
B110/B220

15 8150

AUTHORS: Shostakovskiy, M. F., Kotrelev, V. N., Kalinina, S. P.,  
Kuznetsova, G. I., Layne, L. V., Borisova, A. I.

TITLE: Organotin monomers and polymers. IV. Synthesis and conversion  
of tin-containing esters of acrylic and cinnamic acids

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 8, 1961,  
1128-1130

TEXT: The present paper deals with the synthesis of organotin derivatives of cinnamic and acrylic acids. The synthesis was performed by a method developed by the authors. The vaporous alkyl halide was reacted in a tube furnace or autoclave with an Sn-Mg alloy in the presence of various solvents and catalysts. The alkyl-halide tin compounds formed were saponified with lye to the corresponding hydroxy derivatives, and then the esters were obtained by reaction with acrylic or cinnamic acid. 1) Triethyl-stannyl acrylate  $(C_2H_5)_3SnOCOCH=CH_2$ , was obtained from a 50% aqueous solution of acrylic acid at 5-10°C by adding triethyl stannol. The white crystalline

Card 1/3

Organotin monomers and polymers ...

26290  
S/190/61/003/008/003/019  
B110/B220

precipitate (melting point 102°C) could be dissolved in organic solvents. 2) In the same way, tributyl-stannyl acrylate was obtained from hexabutyl stannous oxide and acrylic acid. 3) The triethyl-stannyl ester of cinnamic acid was obtained from cinnamic acid and hexaethyl stannous oxide according to the equation  $(C_2H_5)_6Sn_2O + 2 C_6H_5-CHCOOH \rightarrow 2 (C_2H_5)_3SnOCOCH=CHC_6H_5 + H_2O$ . The organotin compounds obtained polymerize easily, and form transparent solid copolymers with styrene and methyl methacrylate. The thermo-mechanical properties of some polymers and copolymers are shown in Fig. 2. There are 2 figures and 3 Soviet references. X

ASSOCIATION: Nauchno-issledovatel'skiy institut plasticheskikh mass  
(Scientific Research Institute of Plastics)

SUBMITTED: September 1, 1960

Card 2/3

15.6150

26291  
S/190/61/003/008/004/019  
B110/B220

AUTHORS: Shostakovskiy, M. F., Kotrelev, V. N., Kuznetsova, G. I.,  
Kalinina, S. P., Layne, L. V., Borisova, A. I.

TITLE: Studies on the synthesis and conversions of organotin  
monomers and polymers. V. Study of the formation of  
organotin polymers as a function of the polymerization con-  
ditions, and some physicochemical properties of organotin  
polymers

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 8, 1961,  
1131-1134

TEXT: The present study deals with the yield in polymers of triethyl-  
stannyl methacrylate and acrylate as a function of polymerization time,  
temperature, initiation, and concentration. Benzoyl peroxide, azoisobutyric  
acid dinitrile, or triethyl-benzyl ammonium chloride served as initiators.  
The results are shown in Fig. 1. The composition of the copolymer from  
triethyl-stannyl methacrylate and methyl methacrylate was studied for  
initial molar ratios of the components of 1:1, 1:4, and 1:12. At an initial

Card 1/5

Studies on the synthesis and ...

26291  
S/190/61/003/008/004/019  
B110/B220

ratio of 1:1, the components of the copolymer were approximately equal. The composition was, however, 5:1 when the initial ratio had been 1:4. It is concluded that organotin compounds polymerize more slowly than methyl methacrylate. Experimental results: 1) The region of strong deformation of organotin methacrylates is found at higher temperatures than that of the corresponding acrylates. 2) The temperature of initial deformation decreases considerably with increasing size of the alkyl radicals. The dielectric properties of copolymers are listed in Table 1. The copolymer of triethyl-stannyl methacrylate with methyl methacrylate was easily hydrolyzed by alkalis. It is, however, stable in water, dilute HCl, and dilute  $H_2SO_4$ . Papers of M. M. Koton et al. (Ref. 4: Mezhdunarodnyy simpozium po makromolekulyarnoy khimii, Moskva, June, 1960, I sektsiya, p. 167. (International Symposium on High Molecular Chemistry, Moscow). are mentioned. There are 2 figures, 2 tables, and 4 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut plasticheskikh mass (Scientific Research Institute of Plastics). Institut organicheskoy khimii AN SSSR (Institute of Organic Chemistry AS USSR)

Card 2/5

L 5298-66 EWT(m)/EPF(c)/EWP(j)/T RPL WW/JW/PM

ACC NR: AP5025037

SOURCE CODE: UR/0286/65/000/016/0084/0084

AUTHORS: Kotrelev, V. N.; Opolovenkov, A. F.; Kalinina, S. P.; Kuznetsova, G. I.; Savina, M. Ye.; Gus'kova, O. I.; Nagornaya, Yu. F.; Akutin, M. S.

ORG: none

TITLE: A method for obtaining grafted polymers. Class 39, No. 173949 [announced by State Scientific Research Institute of Plastics (Gosudarstvennyy nauchno-issledovatel'skiy institut plastmass)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 84

TOPIC TAGS: polymer, grafted polymer, plastic, monomer, vinyl, fluorine

ABSTRACT: This Author Certificate presents a method for obtaining grafted polymers by grafting vinyl polymers to fluorine-containing polymers in the presence of an initiator. Cerium ammonium nitrate is used as the initiator.

SUB CODE: MT, GC

SUBM DATE: 11Feb63/

ORIG REF: 000/

OTH REF: 000

Card 1/1

UDC: 678.743.41 66.097.3:546.39

09010603

KUZNETSOVA, G.K.

Controlling the dominance of characters in hybrid peas under various light conditions. Agrobiologiya no.6:859-863 N-D '63.  
(MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov, Moskovskoy oblasti.



SHAIN, S.S., prof.; BOGDANOV, P.I.; KASHMANOV, A.A.; KOSAREVA, Ye.G.,  
KOSOBOKOV, G.I.; KUZNETSOVA, G.K.; MOTOVA, A.V.; TRUSOVA,  
N.R.; TYAMIN, V.V.; KOREISHO, Ye.G., red.; BALLOD, A.I.,  
tekhn. red.; PROKOP'YEVA, L.N., tekhn. red.

[Light and the development of plants]Svet i razvitie rastenii.  
[By] S.S.Shain i dr. Moskva, Sel'khozizdat, 1963. 622 p.  
(MIRA 16:9)

(Plants, Effect of light on)

GAVAGA, V.S.; KUZNETSOVA, G.M.; DYMUHA, N.O.

Protective coatings made from perchlorovinyl lacquer. Koks  
i khim no.4:47-49 '62. (MIRA 16:8)

1. Zhdanovskiy koksokhimicheskiy zavod.  
(Protective coatings)

KUZNETSOVA, G. M., Cand of Vet Sci -- (diss) "Morphological changes of the skin of the large horned cattle and the dermavental raw material in the parasitic study of the pasture tick *Hyalomma scupense* P. Sch., 1918." Moscow, 1957, 21 pp (Moscow Veterinary Academy; Chair of Parasitology and Invasive Diseases, and Chair of Pathological Anatomy), 140 copies (KL, 29-57, 92)

*Kuznetsova, G. M.*

USSR/Diseases in Farm Animals. Diseases Caused by Arachno-  
Entoms.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54940.

Author : ~~Kuznetsova, G. M.~~

Inst : Moscow Academy of Veterinary Sciences.

Title : Morphological Skin Changes in Large Horned Cattle When  
Parasitized by *Hyalomma scupense* Pasture Mites.

Orig Pub: Tr. Mosk. vet. akad., 1957, 19, No 1, 304-317.

Abstract: The observation has been made that *Hyalomma scupense*  
mites create a deep-seated defect in the skin tissue,  
which, at the site of the mite invasion, is filled  
out by a homogenous proteic oxiphilic substance.  
Inflammatory processes with exudative reactions,  
proliferation of cell elements and tissue degenera-

Card : 1/2

12

USSR / Diseases of Farm Animals. Arachno-Entomoses.

R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7488

Author : Kuznetsova, G. M.

Inst : Moscow Veterinary Academy

Title : Damages Caused by the Hyalomma scupense Pasturo  
Tick to the Hides of Cattle Used as Industrial Raw  
Material

Orig Pub : Tr. Mosk. vet. akad., 1957, 19, No 1, 318-326

Abstract : No abstract given

Card 1/1

32

KUZNETSOVA, G.M.

[Mange in farm animals] Kasalii khorishi khaivonot va mborisa  
bo on. Stalinobod, Nashrieti davlatii Tozhikiston, 1959. 46 p.  
[In Tajik] (MIRA 14:3)  
(Scabies) (Veterinary medicine)

L 40177-66 E-T(1)/T JK

ACC NR: AP6029380 (A,N) SOURCE CODE: UR/0346/66/000/006/0029/0030

AUTHOR: Kuznetsova, G. M.; Ikovataya, G. M.; Onufriyev, V. P. 21

ORG: All-Union Foot-and-Mouth Disease Research Institute (Vsesoyuznyy nauchno-issledovatel'skiy yagzhurnyy institut) 6

TITLE: Ixodes ticks as transmitters of foot-and-mouth disease virus

SOURCE: Veterinariya, no. 6, 1966, 29-30

TOPIC TAGS: tick, virus, hoof and mouth disease, experiment animal

ABSTRACT: The ticks *Hyalomma plumbeum* and *Rhipicephalus bursa* in the imaginal state become infected when allowed to feed on guinea pigs experimentally inoculated with foot-and-mouth disease virus. The preimaginal stages (larvae and nymphs) do not become infected. Adult ticks do not transmit the virus transovarially or from stage to stage in the course of metamorphosis. [JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 MLP

UDC: 619:616.988.43-036.2

0017 2609

KUZNETSOVA, G.N.; KHEYFETS, V.S.; SHEVYAKOV, A.M.

Infrared spectra and structural characteristics of glasses of  
the system  $\text{Na}_2\text{O} - \text{B}_2\text{O}_3 - \text{ZrO}_2 - \text{SiO}_2$ . Zhur. prikl. spekt. 3  
no. 2:151-155 Ag '66. (MIRA 18:12)

1. Submitted Nov. 17, 1964.



LAVROVA, L.P., kand. tek'n. nauk; KUKHARKOVA, L.L., starshiy nauchnyy sotrudnik; SOIOV'YEV, V.I., kand. khim. nauk; IL'YASHENKO, M.A., kand. veterin. nauk; KRYLOVA, V.V., starshiy nauchnyy sotrudnik; VOLKOVA, A.G., mladshiy nauchnyy sotrudnik; KUZNETSOVA, G.N., mladshiy nauchnyy sotrudnik; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik

Intensification of technological processes in the production of hard smoked sausages. Trudy VNIIMP no.11:57-75 '62.

(MIRA 18:2)

SOLOV'YEV, V.I., kand. khim. nauk; KUZNETSOVA, G.N., starshiy  
nauchnyy sotrudnik

Studying the lability of the basic substance of intramuscular  
connective tissues during meat storage at low above zero  
temperatures. Trudy VNIIM no.16:110-118 '64.

(MIRA 18:11)

KUZNETSOVA, G.N.; FEDOROV, N.F.; SHEVYAKOV, A.M.

Infrared transmission spectra of cement clinker minerals and  
their hydration products. Zhur. prikl. khim. 37 no.12:2585-2590  
D '64. (MIRA 18:3)

KUZNETSOVA, G.N.; SMIRNOVA, M.F.; DUSHINA, A.P.; SHEVCHENKO, A.M.

Infrared spectroscopic study of the products of chemical reaction  
between aluminum ions and polysilicic acid. Zhur. prikl. khim. 37  
no.12:2746-2748 D '64. (MIRA 18:3)

SOLOV'YEV, V. I.; VOLKOVA, A. G.; KUZNETSOVA, G. N.; GLAZOVA, N. G.

"Biochemical changes observed during storage of quickly refrigerated beef meat."

report submitted for 10th European Mtg, Meat Res Workers, Rockilde, Denmark,  
7-15 Aug 1964.

SOLOV'YEV, V.I., kand.khim. nauk; ADUTSKEVICH, V.A., kand.veter. nauk;  
KUZNETSOVA, G.N., starshiy nauchnyy sotrudnik; VOLKOVA, A.G.,  
starshiy nauchnyy sotrudnik; SHCHEGOLEVA, O.P., inzhener-khimik;  
AGAPOVA, Z.A., mladshiy nauchnyy sotrudnik; AGLITSKAYA, A.V.,  
mladshiy nauchnyy sotrudnik; KRAKOVA, V.Z., mladshiy nauchnyy  
sotrudnik

Investigations in the field of meat aging. Trudy VNIIMP no.14:  
20-35 '62. (MIRA 16:8)

(Meat Analysis)

KUZNETSOVA, G.N.

Framed suspended drying plant. Log. prom. 18 no.3:49-51 Nr '58.  
(Drying apparatus) (Leather) (MIRA 11:4)

ALFER'YEVA, M.Z., mladshiy nauchnyy sotrudnik; KUZNETSOVA, G.N.,  
mladshiy nauchnyy sotrudnik

Lydase, a new preparation product of hyaluronidase action. Trudy  
VNIIMP no.9:115-121 '59. (MIRA 13:8)  
(Hyaluronidase)



PARIBOK, T.A.; KUZNETSOVA, G.N.

Effect of soil temperature on the absorption and distribution  
of microelements in plants. Trudy Bot. inst. Ser. 4 no.16:  
27-48 '63. (MIRA 17:2)

KUZNETSOVA, G.N.; REVZIS, M.G. (Moskva)

Arteritis of the lesser circulation. Klin.med. no.4:111-115  
'62. (MIRA 15:5)

1. Iz patologoanatomicheskogo otdeleniya 1-y gorodskoy klinicheskoy  
bol'nitsy imeni N.I. Pirogova (glavnyy vrach - zasluzhennyy vrach  
RSFSR L.D. Chernyshev) i patologoanatomicheskogo otdeleniya 4-y  
gorodskoy klinicheskoy bol'nitsy (glavnyy vrach G.F. Papko, nauch-  
nyy rukovoditel' - prof. Ya.L. Rapoport).  
(PULMONARY ARTERY--DISEASES)

BARBARICH, A.I.[Darbarych, A.I.], kand. biol. nauk; BRADIS, Ye.M.,  
doktor biol. nauk; VISYULINA, O.D., doktor biol. nauk;  
VOLODCHENKO, V.S.; DOBROCHAYEVA, D.M., kand. biol. nauk;  
KARNAUKH, Ye.D.; KATINA, Z.F., kand. biol. nauk; KOTOV,  
M.I., doktor biol. nauk; KUZNETSOVA, G.O.[Kuznetsova, H.O.],  
kand. biol. nauk; OLYANITSKOVA, L.G.[Olianits'ka, L.H.];  
OMEL'CHUK, T.Ya., kand. biol. nauk; POYARKOVA, O.M.;  
PROKUDIN, Yu.M., doktor biol. nauk; PROTOPOPOVA, V.V.;  
SLYUSARENKO, L.N.; SMOLKO, S.S.; KHRZHANOVSKIY, V.G.  
[Khrzhanovs'kyi, V.H.], doktor biol. nauk; ZERCV, D.K.  
akademik, otv. red., ONISHCHENKO, L.I., red.

[Key for the identification of plants in the Ukraine] Vyz-  
nachnyk roslin Ukrainy. Vyd.2., vypr. 1 dop. Kyiv, Urozhai,  
1965. 876 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. Instytut botaniky. 2. AN Ukr.SSR  
(for Zerov). 3. Moskovskaya sel'skokhozyaystvennaya akademiya  
im. K.A.Timiryazeva (for Khrzhanovskiy).

MAYOROV, S.N. Primalni uchastiye: NAZAROVA, Zh., student; STEPANOVA, T.F., student; KUZNETSOVA, G.P., student; KALININA, S.A., student; SAKHENENKO, A.M.; student; CHERKASHCHENKO, V.I., student.

Content of vitamin C in onions of the Romanovskii and  
Materskii varieties. Vop. pit. 22 no.1:89-90 Ja-F'63  
(MIRA 16:11)

1. Iz kafedry khimii (zav. - dotsent S.N. Mayorov) Kostromsko-  
go pedagogicheskogo instituta i iz kafedry khimii Cherkassko-  
go pedagogicheskogo instituta.

\*

*Kuznetsova, G.P.*

USSR/Physical Chemistry - Thermodynamics, Thermochemistry, Equilibria,  
Physical-Chemical Analysis, Phase Transitions.

B-8

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3821.

Author : V. Ye. Plyushchev, G.P. Kuznetsova,  
Inst : Moscow Institute of Fine Chemical Technology.  
Title : Solubility of Rubidium and Cesium Chlorides in Hydrochloric  
Acid.

Orig Pub: Tr. Mosk. in-ta tonkoy khim. tekhnol, 1956, vyp. 6, 15-20.

Abstract: Each of the 0° and 25° solubility isotherms (S) of the systems  
HCl - RbCl - H<sub>2</sub>O and HCl - Cs - H<sub>2</sub>O possesses a branch of cry-  
stallization of anhydrous RbCl or CsCl in both cases. RbCl S  
is greater than NaCl and KCl S at all temperatures, but less than  
LiCl in a considerable range of HCl concentration. CsCl S in  
hydrochloric acid is higher than S of other chlorides at all tem-  
peratures. The difference in S increases with the temperature  
rise. S increases with the temperature rise and HCl concentration

Card : 1/2

-59-

USSR/Physical Chemistry - Thermodynamics, Thermochemistry, Equilibria,  
Physical-Chemical Analysis, Phase Transitions.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928220004

B-8

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3821.

drop in all systems HCl - MCl - H<sub>2</sub>O. Anhydrous chlorides appear  
as solid phases with the exception of LiCl, which produces cry-  
stallohydrates. The purification of CsCl solutions of NaCl and  
KCl by salting them out with gaseous HCl from hot solutions is  
possible.

Card : 2/2

-60-

KUZNETSOVA, G.P.

PLYUSHCHEV, V.Ye.; TULINOVA, V.B.; KUZNETSOVA, G.P.; KOROVIH, S.S.;  
PETROVA, R.G.

Studying the system  $\text{CaCl} - \text{CaCl}_2 - \text{H}_2\text{O}$ . Zhur.neorg.khim. 2  
no.9:2212-2220 8 '57. (MIRA 10:12)

1.Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.  
Lomonosova.

(Caesium chloride) (Calcium chloride)

KUZNETSOVA, G.P.

PLYUSHCHEV, V.Ye.; TULINOVA, V.B.; KUZNETSOVA, G.P.; KOROVIN, S.S.  
SHIPETINA, N.S.:

Investigating the ternary system sodium chloride -- cesium  
chloride --water. Zhur. neorg. khim. 2 no.11:2654-2660 N '57.  
(MIRA 11:3)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.I.  
Kalinina.  
(Sodium chloride) (Cesium chloride)

5(4)  
AUTHORS: Plyushchev, V. Ye., Kuznetsova, G. P., SOV/78-4-6-39/44  
Stepina, S. B.

TITLE: The Investigation of the System  $\text{LiCl-KCl-H}_2\text{O}$  (Issledovaniye sistemy  $\text{LiCl-KCl-H}_2\text{O}$ )

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6, pp 1449-1453 (USSR)

ABSTRACT: The solubility in the system  $\text{LiCl-KCl-H}_2\text{O}$  was investigated by the isothermal method at 0, 25, 50 and 75°C and the results are given in table 1. The results show that lithium chloride reduces the solubility of potassium chloride. The solubility of potassium chloride rises in the proximity of the "eutonic" point, probably under formation of complexes. No double salts or solid solutions are formed in the system  $\text{LiCl-KCl-H}_2\text{O}$ . There are 4 figures, 1 table, and 8 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology imeni M. V. Lomonosov)

Card 1/2



KOROVIN, S.S.; LEBEDEVA, Ye.N.; REZNIK, A.M.; KOMISSAROVA, L.N.;  
KUZNETSOVA, G.P.

Extraction of zirconium and hafnium with tributyl phosphate.  
Izv.vys.ucheb.zav.;khim.i khim.tekh. 5 no.2:231-235 '62.  
(MIRA 15:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova, kafedra tekhnologii redkikh i rasseyannykh  
elementov.  
(Zirconium--Analysis) (Hafnium--Analysis) (Butyl phosphates)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220004-4

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928220004-4"

SECRET

or

SECRET 20Dec63

SECRET

SECRET 20Dec63

KUZNETSOVA, G.P.; PLYUSHCHEV, V.Ye.; OBOZHENKO, Yu.V.

Study of solubility and of solid phases in the system  
 $\text{Li}_2\text{SO}_4 - \text{Rb}_2\text{SO}_4 - \text{H}_2\text{O}$ . Izv. vys. ucheb. zav.; khim. i  
khim. tekhn. 7 no.3:357-359 '64.

(MIRA 17:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii  
imeni Lomonosova, kafedra khimii i tekhnologii redkikh  
i rassseyannykh elementov.